Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/27/2022 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123412	-2	1.34	123375	1.30
Blue	F	SSC	125000	121895	-3	2.49	122450	2.39
Blue	E	FITC	13602	13075	-4	2.24	367	13.37
Blue	D	PE	24891	24503	-2	1.66	583	10.25
Blue	B	PerCP-Cy5-5	33972	33153	-3	2.93	948	14.87
Blue	A	PE-Cy7	22865	22585	-2	4.97	469	30.47
Red	C	APC	47198	46639	-2	2.58	1611	11.21
Red	A	APC-Cy7	26454	25489	-4	3.14	721	12.27
Violet	B	V450	6737	6425	-5	3.67	449	11.30
Violet	A	V500	29317	28152	-4	3.25	963	8.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23835	2.44	563	28	N/A	N/A	Pass
Blue	F	SSC	54849	1.98	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0441	108	Pass
Blue	D	PE	113	39.41	491	5	0.4822	409	Pass
Blue	B	PerCP-Cy5-5	148	41.74	584	5	0.0199	79	Pass
Blue	A	PE-Cy7	77	82.37	627	6	0.0228	9	Pass
Red	C	APC	338	25.60	573	1	0.0301	229	Pass
Red	A	APC-Cy7	134	33.70	550	-1	0.0063	941	Pass
Violet	B	V450	77	46.21	451	1	0.0602	2421	Pass
Violet	A	V500	112	33.09	471	2	0.0266	1273	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.58	-31.37	1.01
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.74	13.90 - 20.86	N/A	N/A	29.97	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 14988

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments